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(54) PRODUCTION OF LIPID CONTAINING SACCHARIDE

(57)Abstract:

PROBLEM TO BE SOLVED: To produce a lipid, capable of readily providing a lipid containing saccharides in an aqueous system and useful as a raw material for medicines, foods and drinks, a surfactant or a biochemical reagent.

SOLUTION: A solution prepared by mixing a glucide with a lipid is heated to produce a lipid containing the glucide. A reducing sugar such as maltose or galactose is used as the glucide and a lipid containing a primary amine such as a lysosphingomyelin or phosphatidylethanolamine is used as the lipid. The thermal reaction of aqueous solutions of both is carried out at pH 4.5-7.5 and 90-100°C for several hr in the presence of an emulsifying agent and the lipid containing the saccharide is extracted from the reactional solution. The resultant extract is then concentrated and dried to afford the product.

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